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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/992,320	11/19/2001	Eric R. Shute	12003-218	7358
7:	590 07/09/2003			
C. John Brannon Woodard, Emhardt, Naughton, Moriarty and McNett Bank One Center/Tower			EXAMINER	
			CARIASO, ALAN B	
111 Monument Circle, Suite 3700 Indianapolis, IN 46204-5137		ART UNIT	PAPER NUMBER	
upons, n			2875	

DATE MAILED: 07/09/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Applicati n N . 09/992,320 Examiner	Applicant(s) DALTON ET AL.
Office Action Summary		
Oπice Action Summary	Examiner	A -4 11-24
		Art Unit
	Alan Cariaso	2875
The MAILING DATE of this c mmunication app Period for Reply	ears on the cover sheet with the c	rrespondenc address
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	36(a). In no event, however, may a reply be timed within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. O (35 U.S.C. § 133).
1) Responsive to communication(s) filed on 15 A	April 2003 .	
2a)⊠ This action is FINAL . 2b)□ Th	is action is non-final.	
3) Since this application is in condition for alloward closed in accordance with the practice under a		
Disposition of Claims	Aho annlination	
4) Claim(s) 1-4,6-12 and 16-19 is/are pending in	• •	
4a) Of the above claim(s) is/are withdraw5) ☐ Claim(s) 1-4,9-12 and 16-18 is/are allowed.	wir from consideration.	
6)⊠ Claim(s) <u>7-4,3-72 and 70-78</u> is/are allowed.		
7) Claim(s) is/are objected to.		
8) Claim(s) are subject to restriction and/or	r election requirement	
Application Papers	. oloslon roquilomonia	
9) The specification is objected to by the Examine	r.	
10) The drawing(s) filed on is/are: a) accept	oted or b) objected to by the Exar	miner.
Applicant may not request that any objection to the	e drawing(s) be held in abeyance. Se	ee 37 CFR 1.85(a).
11)☐ The proposed drawing correction filed on	_is: a)□ approved b)□ disappro	ved by the Examiner.
If approved, corrected drawings are required in rep	oly to this Office action.	
12) ☐ The oath or declaration is objected to by the Ex	aminer.	
Priority under 35 U.S.C. §§ 119 and 120		
13) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a))-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:		
1. Certified copies of the priority documents	s have been received.	
2. Certified copies of the priority documents	s have been received in Application	on No
 3. Copies of the certified copies of the prior application from the International Bu * See the attached detailed Office action for a list 	reau (PCT Rule 17.2(a)).	-
14) Acknowledgment is made of a claim for domesti	·	
a) The translation of the foreign language pro	visional application has been rec	eived.
Attachment(s)		
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informal F	r (PTO-413) Paper No(s) Patent Application (PTO-152)

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DETAILED ACTION

Response to Amendment

1. Applicant's amendment filed April 15, 2003 is acknowledged. Current pending claims are 1-4, 6-12 and 16-19. Claims 5 and 13-15 are cancelled. Claims 1, 6, 9, 16 and 19 are amended.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 3. Claims 6-8 and 19 are rejected under 35 U.S.C. 102(e) as being anticipated by NAKABAYASHI et al (US 6,379,017).
- 4. NAKABAYASHI discloses a housing or light pipe (light guide member 3, figs.12,11-13) comprising an optically transparent volume or transparent member (col.8,lines 35-38) having a first refractive index (n=1.5, col.8, lines 54 & 61); an optical entry point defined on a side surface adjacent light source (1); an optical transit point (point of internal reflection on 31-fig.3) defined within the optically transparent volume (3); first and second pockets (31-figs.2,3,11-13) formed in the optically transparent

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volume (3); an optical exit point (in figs.3-4, it would be at least any point by the bottom surface through which light exits); wherein the first pocket (any left-side slits 31 closer to the light source 1) defines a first 3-D negative object (fig.3) within the optically transparent volume (3,n) having a second refractive index (n1=1, col.8, line 61) substantially less than the first refractive index (n=1.5 or 1.42); wherein the first and second pockets (31) are substantially encased (figs.3,11) by the optically transparent volume (3,n); wherein the first pocket (left-side slit 31) is shaped to reflect a beam of light passing through the optical entry point (near 1) and incident upon the first pocket (left-side slit 31) to the optical transit point (fig.3); where in the second pocket (any 2nd to right-side position slits 31 away from light source 1) defines a first 3-D negative object (fig.3) within the optically transparent volume (3,n) having a third refractive index (n2=1, col.8, line 61) substantially less than the first refractive index (n=1.5 or 1.42); wherein the first and second pockets (31) are substantially encased (figs. 3, 11) by the optically transparent volume (3,n); wherein the second pockets are shaped to totally internally reflect a beam of light from the first pocket passing through the optical transit point and incident upon the second pocket to the optical exit point (col.9, lines 26-31); wherein the first and second pockets are filled with air (col.8, lines 47-49); wherein the second and third refractive indices are substantially unity (n1=n2=1; col.8, line 61).

Allowable Subject Matter

5. Claims 1-4, 9-12 and 16-18 are allowed.

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R spons to Arguments

6. Applicant's amendment with arguments, filed April 15, 2003, with respect to the rejection(s)of claim(s) 6-8 and 19 under SAKAKIBARA (US 4,625,262) have been fully considered and are persuasive. Therefore, the rejection has been withdrawn.

However, upon further consideration, a new ground(s) of rejection is made in view of NAKABAYASHI et al (US 6,379,017).

Conclusion

7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alan Cariaso whose telephone number is (703) 308-1952. The examiner can normally be reached on 9-5:30 M-F.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandra O'Shea can be reached on (703) 305-4939. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9318 for regular communications and (703) 872-9319 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

Alan Cariaso

Primary Examiner

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AC June 17, 2003